DOCUMENT RESUME

ED 396 929 SE 058 584

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TITLE	Introductory Science Skills. Second Edition.
REPORT NO	ISBN-0-88133-697-1
PUB DATE	93
NOTE	432p.
AVAILABLE FROM	Waveland Press, Inc., P.O. Box 400, Prospect Heights, IL 60070.
PUB TYPE	Guides - Classroom Use - Teaching Guides (For Teacher) (052)
EDRS PRICE	Document Not Available from EDRS.
DESCRIPTORS	Classification; Elementary Education; *Hands on Science; *Inquiry; Mathematical Applications; Measurement; Models; Observation; Problem Solving; *Science Activities; Science Experiments; *Science Process Skills; Teacher Education

ABSTRACT

This book is designed to help students understand the nature of scientific inquiry by involving them in doing science rather than merely reading about it. The content of the text emphasizes science process skills, mathematical skills, and the use of theories and models that are fundamental for learning the various science disciplines. The orientation of this book is toward teaching science in the elementary school. Units include: Observation; Classification, Shapes and Symmetry; Measurement and Metrics; Making Inferences and Predictions; Controlling Variables and Testing Hypothesis; Operational Definitions; Communication and Graphing; Formulating Hypotheses and Experimenting; Large and Small Numbers; Proportion and Graphing; Problem Solving; and Using Models and Theories: The Nature of Matter. (JRH)

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